



For two-letter codes and other abbreviations, refer to the "Guidance Notes on Codes and Abbreviations" appearing at the beginning of each regular issue of the PCT Gazette.

A. CLASSIFICATION OF SUBJECT MATTER

IPC7 C12N 15/11

According to International Patent Classification (IPC) or to both national classification and IPC

B. FIELDS SEARCHED

Minimum documentation searched (classification system followed by classification symbols)

IPC7 C12N 15/11, 15/63, A01K 67/027

Documentation searched other than minimum documentation to the extent that such documents are included in the fields searched

Electronic data base consulted during the international search (name of data base and, where practicable, search terms used)

Delphion, Pubmed, NCBI GeneBank, CA, "Uroplakin II", "Porcine", "Vector", "Urine"

C. DOCUMENTS CONSIDERED TO BE RELEVANT

Category*	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.
X Y A	Kwon, D.N. et al., 'Cloning, sequencing, and expression analysis of the porcine uroplakin II gene', Biochem. Biophys. Res. Commun., 293(2): 862-869, 3 May 2002. See the whole document.	1-2 3-5, 9-12 6-8
Y A	US 6339183 B1 (Sun, T. T.), 15 January 2002. See the whole document.	3-5, 9-12 1-2, 6-8
Y A	US 6001646 A (Sun, T. T.), 14 December 1999. See the whole document.	3-5 1-2, 6-12
A	NCBI GeneBank Accession No. AY044189, 04 September 2001.	1-12
A	Inoue, T. et al., 'Position-independent human beta-globin gene expression mediated by a recombinant adeno-associated virus vector carrying the chicken beta-globin insulator', J. Hum. Genet., 44(3): 152-162, 1999. See the whole document.	6, 8
A	Zufferey, R. et al., 'Woodchuck hepatitis virus posttranscriptional regulatory element enhances expression of transgenes delivered by retroviral vectors', J. Virol., 73(4): 2886-2892, April 1999. See the whole document.	7, 8

☐ Further documents are listed in the continuation of Box C.☒ See patent family annex.

* Special categories of cited documents:

"A" document defining the general state of the art which is not considered to be of particular relevance

"E" earlier application or patent but published on or after the international filing date

"L" document which may throw doubts on priority claim(s) or which is cited to establish the publication date of citation or other special reason (as specified)

"O" document referring to an oral disclosure, use, exhibition or other means

"P" document published prior to the international filing date but later than the priority date claimed

"T" later document published after the international filing date or priority date and not in conflict with the application but cited to understand the principle or theory underlying the invention

"X" document of particular relevance; the claimed invention cannot be considered novel or cannot be considered to involve an inventive step when the document is taken alone

"Y" document of particular relevance; the claimed invention cannot be considered to involve an inventive step when the document is combined with one or more other such documents, such combination being obvious to a person skilled in the art

"&" document member of the same patent family


Date of the actual completion of the international search

20 JANUARY 2004 (20.01.2004)

Date of mailing of the international search report

20 JANUARY 2004 (20.01.2004)

Name and mailing address of the ISA/KR

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Box No. I Nucleotide and/or amino acid sequence(s) (Continuation of item I.b of the first sheet)

1. With regard to any nucleotide and/or amino acid sequence disclosed in the international application and necessary to the claimed invention, the international search was carried out on the basis of :

a. type of material

- ☒ a sequence listing
☐ table(s) related to the sequence listing

b. format of material

- ☒ in written format
☒ in computer readable form

c. time of filing/furnishing

- ☒ contained in the international application as filed
☒ filed together with the international application in computer readable form
☐ furnished subsequently to this Authority for the purposes of search

2. ☐ In addition, in the case that more than one version or copy of a sequence listing and/or table relating thereto has been filed or furnished, the required statements that the information in the subsequent or additional copies is identical to that in the application as filed or does not go beyond the application as filed, as appropriate, were furnished.

3. Additional comments:

Relationship of patent family members

Patent document cited in search report	Publication date	Patent family member(s)	Publication date
US 6339183 B1	15 Jan 2002	WO 9925810 A1	27 May 1999
		WO 9639494 A1	12 Dec 1996
		US 20020092033 A1	11 Jul 2002
		US 6001646 A	14 Dec 1999
		EP 0837931 A1	29 Apr 1998
		DE 69623122	12 Dec 2002
US 6001646 A	14 Dec 1999	WO 9925810 A1	27 May 1999
		WO 9639494 A1	12 Dec 1996
		US 20020092033 A1	11 Jul 2002
		US 6339183 B1	15 Jan 2002
		EP 0837931 A1	29 Apr 1998
		DE 69623122	12 Dec 2002